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IN THE CLAIMS

Please amend the claims as follows. This listing replaces all prior versions.

- I. (Canceled).
- 2. (Currently amended) A method for determining active plasminogen activator inhibitor-Type 1 (PAI-1) in a biological fluid, the method comprising the steps of:
- (i) providing a sample of a biological fluid selected from the group consisting of whole blood, plasma and serum;
- (ii) measuring the amount of active PAI-1/multimeric vitronectin complex in the sample; and
- (iii) determining the amount of active PAI-1 in the biological fluid by correlating the amount of active PAI-1 in the biological fluid to the amount of active PAI-1/multimeric vitronectin complex in the sample. The method of claim 1, wherein measuring the amount of active PAI-1/multimeric vitronectin complex in the sample comprises:
- (a) contacting the sample either simultaneously or stepwise with a first antibody which binds selectively to PAI-1 and a labelled second antibody which binds selectively to multimeric vitronectin; and
- (b) determining the second antibody bound to the complex to measure the amount of active PAI-1/multimeric vitronectin complex in the sample.
- 3. (Currently amended) A method for determining active plasminogen activator inhibitor-Type 1 (PAI-1) in a hiological fluid, the method comprising the steps of:
- (i) providing a sample of a biological fluid selected from the group consisting of whole blood, plasma and serum:
- (ii) measuring the amount of active PAI-1/multimeric vitronectin complex in the sample; and
 - (iii) determining the amount of active PAI-1 in the hiological fluid by correlating the

amount of active PAI-1 in the biological fluid to the amount of active PAI-1/multimeric vitronectin complex in the sample The method of claim 1, wherein measuring the amount of active PAI-1/multimeric vitronectin complex in the sample comprises:

- (a) contacting the sample either simultaneously or stepwise with a first antibody which binds selectively to multimeric vitronectin and a labelled second antibody which binds selectively to PAI-1; and
- (b) determining the second antibody bound to the complex to measure the amount of active PAI-I/multimeric vitronectin complex in the sample.
- 4. (Currently amended) A method for determining active plasminogen activator inhibitor-Type 1. (PAI-1) in a hiological fluid, the method comprising the steps of:
- (i) providing a sample of a biological fluid selected from the group consisting of whole blood, plasma and serum;
- (ii) measuring the amount of active PAI-1/multimeric vitronectin complex in the sample; and
- (iii) ___determining the amount of active PAI-1 in the biological fluid by correlating the amount of active PAI-1 in the biological fluid to the amount of active PAI-1/multimeric vitronectin complex in the sample The method of claim 1, wherein measuring the amount of active PAI-1/multimeric vitronectin complex in the sample comprises:
- (a) contacting the sample either simultaneously or stepwise with a first antibody which binds selectively to PAI-1 and a labelled second antibody which binds selectively to multimeric vitronectin to form an active PAI-1/multimeric vitronectin/first antibody/second antibody complex;
- (b) separating said active_PAI-1/multimeric vitronectin/first antibody/second antibody complex from the sample; and
- (c) determining the second antibody bound to the complex to measure the amount of active PAI-1/multimeric vitronectin complex in the sample.

- 5. (Currently amended) A method for determining active plasminogen activator inhibitor-Type 1 (PAI-1) in a biological fluid, the method comprising the steps of:
- (i) ____providing a sample of a biological fluid selected from the group consisting of whole blood, plasma and serum;
- (ii) measuring the amount of active PAI-1/multimeric vitronectin complex in the sample: and
- (iii) determining the amount of active PAI-1 in the hiological fluid by correlating the amount of active PAI-1 in the biological fluid to the amount of active PAI-1/multimeric vitronectin complex in the sample The method of claim 1, wherein measuring the amount of active PAI-1/multimeric vitronectin complex in the sample comprises:
- a) contacting the sample either simultaneously or stepwise with a first antibody which binds selectively to multimeric vitronectin and a labelled second antibody which binds selectively to PAI-1 to form an active PAI-1/multimeric vitronectin/first antibody/second antibody complex;
- (b) separating said active PAI-1/multimeric vitronectin/first antibody/second antibody complex from the sample; and
- (c) determining the second antibody bound to the complex to measure the amount of active PAI-1/multimeric vitronectin complex in the sample.
- 6. (Currently amended) A method for determining active plasminogen activator inhibitor-Type 1 (PAI-1) in a biological fluid, the method comprising the steps of:
- (i) providing a sample of a biological fluid selected from the group consisting of whole blood, plasma and serum;
- (ii) measuring the amount of active PAI-1/multimeric vitronectin complex in the sample: and
- (iii) determining the amount of active PAI-1 in the biological fluid by correlating the amount of active PAI-1 in the biological fluid to the amount of active PAI-1/multimeric vitronectin complex in the sample The method of claim 1, wherein measuring the amount of

active PAI-1/multimeric vitronectin complex in the sample comprises:

- (a) simultaneously contacting the sample with a first antibody which binds selectively to PAI-1, the first antibody being immobilized on a solid support, and with a labelled second antibody which binds selectively to multimeric vitronectin; and
- (b) determining the second antibody bound to the solid support to measure the amount of active PAI-1/multimeric vitronectin complex in the sample.
- 7. (Currently amended) A method for determining active plasminogen activator inhibitor-Type 1 (PAI-1) in a biological fluid, the method comprising the steps of:
- (i) providing a sample of a hiological fluid selected from the group consisting of whole blood, plasma and serum;
- (ii) measuring the amount of active PAI-1/multimeric vitronectin complex in the sample; and
- (iii) determining the amount of active PAI-1 in the biological fluid by correlating the amount of active PAI-1 in the biological fluid to the amount of active PAI-1/multimeric xitronectin complex in the sample The method of claim 1, wherein measuring the amount of active PAI-1/multimeric vitronectin complex in the sample comprises:
- (a) contacting the sample with a first antibody which binds selectively to PAI-1, the first antibody being immobilized on a solid support;
- (b) contacting the solid support with a labelled second antibody which binds selectively to multimeric vitronectin; and
- (c) determining the second antibody bound to the solid support to measure the amount of active PAI-1/multimeric vitronectin complex in the sample.
- 8. (Currently amended) A method for determining active plasminogen activator inhibitor-Type 1 (PAI-1) in a biological fluid, the method comprising the steps of:
- (i) providing a sample of a biological fluid selected from the group consisting of whole blood, plasma and serum;

- (ii) measuring the amount of active PAI-1/multimeric vitronectin complex in the sample; and
- (iii) determining the amount of active PAI-1 in the hiological fluid by correlating the amount of active PAI-1 in the biological fluid to the amount of active PAI-1/multimeric vitronectin complex in the sample The method of claim 1, wherein measuring the amount of active_PAI-1/multimeric vitronectin complex in the sample comprises:
- (a) simultaneously contacting the sample with a first antibody which binds selectively to multimeric vitronectin, the first antibody being immobilized on a solid support, and with a labelled second antibody which binds selectively to PAI-1; and
- (b) determining the second antibody bound to the solid support to measure the amount of active PAI-1/multimeric vitronectin complex in the sample.
- 9. (Currently amended) A method for determining active plasminogen activator inhibitor-Type 1 (PAI-1) in a biological fluid, the method comprising the steps of:
- (i) providing a sample of a biological fluid selected from the group consisting of whole blood, plasma and serim:
- (ii) measuring the amount of active PAI-1/multimeric vitronectin complex in the sample: and
- (iii) determining the amount of active PAI-1 in the biological fluid by correlating the amount of active PAI-1 in the hiological fluid to the amount of active PAI-1/multimeric vitronectin complex in the sample The method of claim 1, wherein measuring the amount of active_PAI-1/multimeric vitronectin complex in the sample comprises:
- (a) contacting the sample with a first antibody which binds selectively to multimeric vitronectin, the first antibody being immobilized on a solid support;
- (b) contacting the solid support with a labelled second antibody which binds selectively to PAI-1; and
- (c) determining the second antibody bound to the solid support to measure the amount of active PAI-1/multimeric vitronectin complex in the sample.

- 10. (Currently amended) A method for determining active plasminogen activator inhibitor-Type 1 (PAI-1) in a hiological fluid, the method comprising the steps of:
- (i) providing a sample of a biological fluid selected from the group consisting of whole blood, plasma and serum:
- (ii) measuring the amount of active PAI-1/multimeric vitronectin complex in the sample; and
- (iii) determining the amount of active PAI-1 in the hiological fluid by correlating the amount of active PAI-1 in the biological fluid to the amount of active PAI-1/multimeric vitronectin complex in the sample The method of claim 1, wherein measuring the amount of active PAI-1/multimeric vitronectin complex in the sample comprises:
- (a) contacting the sample with a first antibody which binds selectively to PAI-1, the first antibody being immobilized on a solid support;
- (b) contacting the solid support with a second antibody which binds selectively to multimeric vitronectin:
- (c) contacting the solid support with a labelled third antibody which binds selectively to the second antibody; and
- (d) determining the third antibody bound to the solid support to measure the amount of active PAI-I/multimeric vitronectin complex in the sample.
- 11. (Currently amended) A method for determining active plasminogen activator inhibitor-Type 1 (PAI-1) in a biological fluid, the method comprising the steps of
- (i) providing a sample of a biological fluid selected from the group consisting of whole blood, plasma and serum:
- (ii) measuring the amount of active PAI-1/multimeric vitronectin complex in the sample; and
- (iii) determining the amount of active PAI-1 in the biological fluid by correlating the amount of active PAI-1 in the biological fluid to the amount of active PAI-1/multimeric

vitronectin complex in the sample The method of claim 1, wherein measuring the amount of active PAI-1/multimeric vitronectin complex in the sample comprises:

- (a) contacting the sample with a first antibody which binds selectively to multimeric vitronectin, the first antibody being immobilized on a solid support;
 - (b) contacting the solid support with a second antibody which binds selectively to PAI- 1;
- (c) contacting the solid support with a labelled third antibody which binds selectively to the second antibody; and
- (d) determining the third antibody bound to the solid support to measure the amount of active PAI-1/multimeric vitronectin complex in the sample.
- 12. (Currently amended) A method for determining active plasminogen activator inhibitor-Type 1 (PAI-1) in a hiological fluid, the method comprising the steps of:
- (i) providing a sample of a biological fluid selected from the group consisting of whole blood, plasma and serum:
- (ii) measuring the amount of active PAI-1/multimeric vitronectin complex in the sample: and
- (iii) determining the amount of active PAI-1 in the biological fluid by correlating the amount of active PAI-1 in the biological fluid to the amount of active PAI-1/multimeric vitronectin complex in the sample, The method of claim 1, wherein measuring the amount of active PAI-I/multimeric vitronectin complex in the sample comprises:
- (a) contacting the sample, either simultaneously or stepwise, with a first antibody which binds selectively to PAI-1 and to which is attached one member of a capture pair and with a labelled second antibody which binds selectively to multimeric vitronectin to form a mixture;
- (b) contacting the mixture with a solid support on which is immobilized the other member of the capture pair; and
- (c) determining the second antibody bound to the solid support to measure the amount of active PAI-l/multimeric vitronectin complex in the sample.

- 13. (Currently amended) A method for determining active plasminogen activator inhibitor-Type 1 (PAI-1) in a biological fluid, the method comprising the steps of:
- (i) providing a sample of a hiological fluid selected from the group consisting of whole blood, plasma and serum;
- (ii) measuring the amount of active PAI-1/multimeric vitronectin complex in the sample; and
- (iii) determining the amount of active PAI-1 in the biological fluid by correlating the amount of active PAI-1 in the biological fluid to the amount of active PAI-1/multimeric vitronectin complex in the sample The method of claim 1, wherein measuring the amount of active PAI-1/multimeric vitronectin complex in the sample comprises:
- (a) contacting the sample either simultaneously or stepwise, with a first antibody which binds selectively to multimeric vitronectin and to which is attached one member of a capture pair and with a labelled second antibody which binds selectively to PAI-1 to form a mixture;
- (b) contacting the mixture with a solid support on which is immobilized the other member of the capture pair; and
- (c) determining the second antibody bound to the solid support to measure the amount of active PAI-1/multimeric vitronectin complex in the sample.

14-15. (Canceled).

- 16. (Previously presented) The method according to claim 3, wherein the second antibody is labelled with a directly detectable label.
- 17. (Previously presented) The method according to claim 3, wherein the second antibody is labelled with a component of a signal-generating system.
- 18. (Previously presented) The method of claim 17 wherein the component is an enzyme selected from the group consisting of alkaline phosphatase, amylase, luciferase, catalase,

beta-galactosidase, glucose oxidase, glucose-6-phosphate dehydrogenase, hexokinase, horseradish peroxidase, lactamase, urease and malate dehydrogenase.

- 19. (Previously presented) The method according to claim 3, wherein the second antibody is labelled with a fluorophore.
- 20. (Previously presented) The method of claim 19 wherein the fluorophore is selected from the group consisting of a coumarin, a rare earth metal ion, chelate or chelate complex, a fluorescein, rhodamine and a rhodamine derivative.
- 21. (Previously presented) The method of claim 3, wherein the second antibody is labelled with a luminescent material.
- 22. (Previously presented) The method of claim 21 wherein the luminescent material is selected from the group consisting of a cyclic diacyl hydrazide, luminol, isoluminol, an acridinium ester, a pyridopyridazine, a dioxerane, a bioluminescent protein and a luciferase.
- 23. (Previously presented) The method of claim 3 wherein the second antibody is labelled with a label selected from the group consisting of a metal complex, a stable free radical, a vesicle, a liposome, a colloidal particle, a latex particle, a spin label, biotin and avidin.
- 24. (Previously presented) The method of claim 6, wherein the solid support is selected from the group consisting of an ELISA plate, a polyacrylamide matrix, a polystyrene tube, polystyrene beads, latex particles, paramagnetic particles, acrylic particles and gelatin particles.

25-33. (Canceled).